



1638

Practitioner's Docket No. 019603-002861

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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AUG 1 2 2001

In re application of: Maureen R. Hanson and Carol Hamilton

TECH CENTER 1600/230

Serial No.: 09/976,687

Group No.: 1638

Filed: 10/12/2001

Examiner: Bronwen Loeb

For: BINARY BAC VECTOR AND USES THEREOF

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. § 1.8(a) and 1.10)

I hereby certify that this correspondence:

1. Return Receipt Postcard;
2. Certificate of Mailing (1 pg.);
3. Transmittal Form (1 pg.);
4. Supplemental Information Disclosure Statement (3 pp.);
5. PTO Form 1449 (1 pg.);
6. References BB-BC and CF-CI; and
7. Copy of International Search Report dated 21 July 2003 (6 pp.).

is on the date shown below being:

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and with sufficient postage as first class mail in  
an envelope addressed to the Commissioner for  
Patents, P. O. Box 1450, Alexandria, VA 22313-1450

## FACSIMILE

transmitted by facsimile to the Patent  
Trademark Office.

Date: August 6, 2003

Signature

Karen L. Corey

(type or print name of person certifying)



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TECH CENTER 1600/2900

Docket No. 019603-002861

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Maureen R. Hanson, et al.

Serial No.: 09/976,687

Group: 1638

Filed: 10/12/01

Examiner: Bronwen Loeb

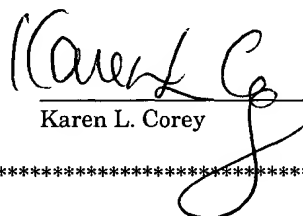
For: BINARY BAC VECTOR AND USES THEREOF

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Date: August 6, 2003

  
\_\_\_\_\_  
Karen L. Corey

Sir:

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

In accordance with the provisions of 37 C.F.R. §§1.56 and 1.97, Applicants herewith submit the publications and/or patents shown on the attached form PTO-1449, for consideration by the Examiner in connection with the examination of the above-identified patent application.



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Please type a plus sign (+) inside this box → ☐Approved for use through 10/01/2002, EMB 0654-0081  
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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Application Number 09/976,687

Filing Date 10/12/01

First Named Inventor Maureen R. Hanson.

Group Art Unit 1636

Examiner Name Bronwen Loeb

Total Number of Pages in This Submission

Attorney Docket Number 019603-002861

**ENCLOSURES (check all that apply)**

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/ Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Copy of Int'l. Search Report (6 pp.); Form PTO-1449; References BB-BC, and CF-CI; Certificate of Mailing; Return Receipt Postcard.
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	The Commissioner is authorized to charge fee deficiencies to the NIXON PEABODY LLP deposit account 50-0850.	

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	David S. Resnick (Reg.No. 34,235) and Nicole L.M. Valtz (Reg. No. 47,150) NIXON PEABODY LLP, 101 Federal Street, Boston, MA 02110
Signature	
Date	August 6, 2003

**CERTIFICATE OF MAILING**I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: August 6, 2003

Typed or printed name	Karen L. Corey	Signature		Date	August 6, 2003
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Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

### REMARKS

In accordance with the provisions of 37 C.F.R. §1.97, this statement is being filed:

- \_\_\_ (1) within three (3) months of the Filing Date or **before the mailing date of the First Office Action** on the merits; or
- X (2) within three months of the mailing date of the PCT International Search Report; or
- \_\_\_ (3) after the period defined in (1) but before the mailing date of a **Final Rejection** or **Notice of Allowance**, and the requisite Certification or fee under Rule 1.17(p), namely **\$180.00**, is included herein; or
- \_\_\_ (4) after the mailing date of a **Final Rejection** or **Notice of Allowance** but before the payment of the **Issue Fee**, and the requisite Certification, petition, and petition fee are included herein.

It is respectfully requested that each of the documents shown on the attached form(s) PTO-1449 be made of record in this application. Copies of these documents (CHECK ONE):

- X which were not previously disclosed are enclosed herewith; or
- \_\_\_ have been cited in the parent application, and are thus not being resubmitted herein.

Also enclosed is a copy of the International Search Report dated 21 July 2003.

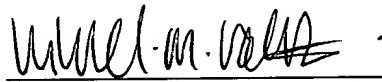
Early examination and allowance of the present application are respectfully solicited.

### **FEE AUTHORIZATION**

Should any fees associated with the submission be required, the Commissioner is authorized to charge the missing fee to our Deposit Account No. 50-0850. Any overpayments should be credited to said Deposit Account.

Respectfully submitted,

Date: August 6, 2003



David S. Resnick (Reg. No. 34,235)  
Nicole L.M. Valtz (Reg. No. 47,150)  
Nixon Peabody LLP  
101 Federal Street  
Boston, MA 02110  
(617) 345-6057

Customer No. 26770



<b>FORM PTO-1449</b>				<b>DOCKET NO.:</b> 019603-002861		<b>SERIAL NO.:</b> 09/976,687	
<b>INFORMATION DISCLOSURE STATEMENT</b>				<b>APPLICANT(S):</b> Maureen R. Hanson, et al.			
				<b>FILING DATE:</b> 10/12/01		<b>GROUP NO.:</b> 1638	
<b>UNITED STATES PATENT DOCUMENTS</b>							
<b>EXAM. INITIALS</b>		<b>DOCUMENT NUMBER</b>	<b>DATE</b>	<b>INVENTOR/ASSIGNEE</b>	<b>CLASS</b>	<b>SUBCLASS</b>	<b>FILING DATE IF APPROPRIATE</b>
<b>FOREIGN PATENT DOCUMENTS</b>							
		<b>DOCUMENT NUMBER</b>	<b>DATE</b>	<b>COUNTRY</b>	<b>CLASS</b>	<b>SUBCLASS</b>	<b>TRANSLATION YES/NO</b>
	BB	EP0841402A2	26/9/97	EP			
	BC	WO0164925A1	7/9/2001	WO			
<b>OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)</b>							
	CF	Piers, et al. (1996) Proc. Natl. Acad. Sci. USA 93:1613-1618					
	CG	deGroot, et al. (1998) Nature Biotechnology 16:839-842					
	CH	deGroot, et al. (1998) Nature Biotechnology 16:1074					
	CI	Ziemienowicz, et al. (1999) Proc. Natl. Acad. Sci USA 96:3729-3733					